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WHAT IS CLAIMED IS:

- 1. A system comprising:
- a target;
- a probe operable to execute in the target and collect a predetermined set of data associated with the target; and
- a monitor operable to receive the collected predetermined set of data to compare with expected data values to determine whether the target has been altered.
- 2. The system, as set forth in claim 1, wherein the probe is resident in the target.
- 3. The system, as set forth in claim 1, wherein the monitor is operable to send the probe to the target for execution.
- The system, as set forth in claim 1, wherein the probe repeatedly
 executes and the predetermined set of data varies for each execution of the probe.
- The system, as set forth in claim 1, wherein the predetermined set of data includes system attributes and system usage data.
- 6. The system, as set forth in claim 1, wherein the probe is operable to calculate a signature value of at least a portion of an execution image of the probe.
- The system, as set forth in claim 1, wherein the monitor is operable to compare the calculated signature value to an expected signature value.
- The system, as set forth in claim 1, wherein the probe is operable to determine a signature value of a random subset of an execution image of the probe.
- 9. The system, as set forth in claim 1, wherein the probe is operable to generate an encryption key from the signature value for encrypting the collected predetermined set of data.

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10. A method comprising:

executing a probe in a target;

- collecting a predetermined set of data associated with the target for comparison with expected data values for the predetermined set of data to determine whether the target has been altered.
- 11. The method, as set forth in claim 10, further comprising receiving a request to execute the probe resident in the target.
- The method, as set forth in claim 10, further comprising receiving the probe and executing the received probe in the target.
- The method, as set forth in claim 10, wherein the step of executing a probe is repeated.
- 14. The method, as set forth in claim 10, wherein the step of executing a probe comprises collecting a different predetermined set of data for each execution of the probe.
- 15. The method, as set forth in claim 10, further comprising calculating a signature value of at least a portion of the probe for comparison to an expected signature value.
- The method, as set forth in claim 10, further comprising calculating a signature value of the probe for comparison to an expected signature value.
 - 17. The method, as set forth in claim 16, further comprising: generating an encryption key from the signature value; and encrypting the collected predetermined set of data with the encryption key.

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18. The method, as set forth in claim 17, further comprising:

sending the encrypted data to a monitor, the data including system attribute data and system usage data;

decrypting the encrypted data using a decryption key;

verifying the system attribute data; and

generating billing data based on the system usage data in response to the system attribute data being verified.

19. A method comprising:

initiating the execution of a probe in a target;

receiving from the probe a predetermined set of data associated with the target; and

comparing the received predetermined set of data with expected data values thereof to determine whether the target has been altered.

- 20. The method, as set forth in claim 19, further comprising sending a request to the probe resident in the target to initiate the execution.
- The method, as set forth in claim 19, further comprising sending the probe and executing the probe in the target.
- 22. The method, as set forth in claim 19, wherein initiating the execution of a probe comprises repeating execution of the probe.
- 23. The method, as set forth in claim 19, wherein initiating the execution of a probe comprises collecting a different predetermined set of data for each execution of the probe.

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24. The method, as set forth in claim 19, further comprising:

receiving collected data encrypted by the probe using an encryption key derived from a self-hash value, the data including system attribute data and system usage data;

decrypting the encrypted data; and verifying the system attribute data.

- 25. The method, as set forth in claim 23, further comprising generating billing data based on the system usage data in response to the system attribute data being verified.
- 26. The method, as set forth in claim 19, further comprising: receiving a reply containing at least the collected predetermined set of data, the data including system attribute data and system usage data; and verifying the system attribute data.